

$\frac{d}{dt} \left(\frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$

using said discriminator printer to print, on said thermal paper substrate, at least first

indicia containing an indication of a value of said voucher;

printing a number related to said serial number on said thermal paper substrate;

providing a plurality of perforations in said medium to define a first curved pattern of microperforations which includes a region defining a radius of curvature less than about 0.5 inches; and

rubbing said non-visible mark with a coin wherein portions of said coin adhere to said non-visible mark to render said mark visible.

2. A method for providing a voucher in a coin discriminator, having a discriminator printer, with the voucher configured to assist in distinguishing unauthorized duplicate or counterfeit vouchers, the method comprising the steps of:

placing visible marks on a first substrate using a marking medium which has a first appearance on said substrate but wherein a photocopy of said visible marks has a second appearance, different from said first appearance; and

using said discriminator printer to print, on said substrate, at least first indicia containing an indication of a value of said voucher.

3. A method as claimed in claim 2 wherein said substrate is paper.

4. A method as claimed in claim 2 wherein said substrate is thermal paper.

5. A method as claimed in claim 2 wherein said marking medium is fluorescent ink.

6. A method for providing a voucher in a coin discriminator, having a discriminator printer, with the voucher configured to assist in distinguishing unauthorized duplicate or counterfeit vouchers, the method comprising the steps of:

placing visible marks on a first substrate using a fluorescent marking medium; and

5 using said discriminator printer to print, on said substrate, at least first indicia containing an indication of a value of said voucher.

7. A method for providing a voucher in a coin discriminator, having a discriminator printer, with the voucher configured to assist in distinguishing unauthorized duplicate or counterfeit vouchers, the method comprising the steps of:

5 placing visible marks on a first substrate positioned less than 0.25 inches from an edge of said medium; and

using said discriminator printer to print, on said substrate, at least first indicia containing an indication of a value of said voucher.

8. A method for providing a voucher in a coin discriminator, having a discriminator printer, with the voucher configured to assist in distinguishing unauthorized duplicate or counterfeit vouchers, the method comprising the steps of:

printing at least first language on said substrate, oriented in a first direction and second language oriented in a direction at a first angle to said first direction; and

using said discriminator printer to print, on said substrate, at least first indicia containing an indication of a value of said voucher.

9. A method as claimed in claim 8 wherein said angle is about 90 degrees.

10. A method for providing a voucher in a coin discriminator, having a discriminator printer, with the voucher configured to assist in distinguishing unauthorized duplicate or counterfeit vouchers, the method comprising the steps of:

using said discriminator printer to print, on a substrate, at least first indicia containing an indication of a value of said voucher; and

providing a plurality of perforations in said substrate to define a first curved pattern of perforations.

11. A method as claimed in claim 10 wherein said first curved pattern includes a

region defining a radius of curvature less than about 0.5 inches.

12. A method as claimed in claim 10 wherein said perforations are microperforations.

13. A method for providing a voucher in a coin discriminator, having a discriminator printer, with the voucher configured to assist in distinguishing unauthorized duplicate or counterfeit vouchers, the method comprising the steps of:

placing a substantially non-visible mark on a first substrate using a first marking medium;

5 using said discriminator printer to print, on said substrate, at least first indicia containing an indication of a value of said voucher; and

rubbing said non-visible mark with a coin wherein portions of said coin adhere to said non-visible mark to render said mark visible.

14. A method as claimed in claim 13 wherein said first marking medium comprises white ink containing titanium oxide.

15. A method for providing a voucher in a coin discriminator, having a discriminator printer, with the voucher configured to assist in distinguishing unauthorized duplicate or counterfeit vouchers, the method comprising the steps of:

placing a series of identifier symbols on a first substrate, said series of identifier symbols
5 being spaced from one another; and

using said discriminator printer to print, on said substrate, at least first indicia containing
an indication of said identifier.

16. A method as claimed in claim 15 wherein said identifier symbols include a serial
number identifying a unit of said substrate.

17. A method as claimed in claim 16 further comprising providing a computer
coupled to said printer and an i/O device coupled to said computer and inputting said serial
number into said computer using said i/O device.

18. A method as claimed in claim 15 wherein at least some of said series of identifier
symbols are different from one another.

19. A method as claimed in claim 18 wherein said series of identifier symbols
include a series of numbers which increment by a predetermined amount.

20. A voucher for dispensing from a coin discriminator comprising:

a thermal paper substrate;

at least a first fluorescent ink region printed on a surface of said substrate; and

a plurality of microperforations through said substrate defining at least a first curved

5 pattern.

21. Apparatus for use in outputting results from a coin discriminator having a

discriminator printer, with the voucher configured to assist in distinguishing unauthorized

duplicate or counterfeit vouchers, comprising:

a computer coupled to said printer;

a thermal paper substrate having

at least first language printed on said substrate, oriented in a first direction,
using a fluorescent ink such that said first language has a first appearance on said
thermal paper substrate but wherein a photocopy of first language has a second
appearance, different from said first appearance;

at least second language printed on said substrate oriented in a direction
about 90 degrees to said first direction positioned less than 0.25 inches from an
edge of said thermal paper substrate;

a substantially non-visible mark on said thermal paper substrate wherein
when said non-visible mark is rubbed with a coin, portions of said coin adhere to

15 said non-visible mark to render said mark visible;

wherein said thermal paper substrate has marked thereon, at least an initial
serial number identifying a unit of said thermal paper substrate;

said thermal paper substrate located in a position from which thermal
paper substrate can be fed to said discriminator printer;

20 i/O means for inputting said serial number into said computer;

means for controlling said discriminator printer to print, on said thermal paper substrate,
at least first indicia containing an indication of a value of said voucher;

means for controlling said discriminator printer to print a number related to said serial
number on said thermal paper substrate; and

25 a plurality of perforations in said medium defining a first curved pattern of
microperforations which includes a region defining a radius of curvature less than about 0.5
inches.

22. A method for providing a secure voucher substantially as described and depicted
herein.

23. A secure voucher substantially as described and depicted herein.

24. A coin discriminator substantially as described and depicted herein.